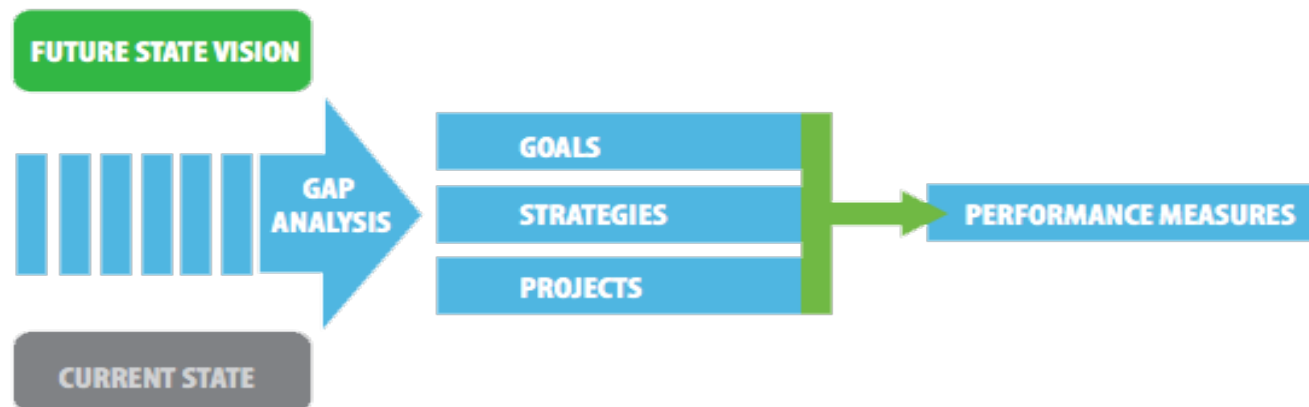




ADEQ 319 in first half of FY17

# What has ADEQ been up to this year?

- WQD reorganization
  - 3 sections instead of 4
    - Surface Water Section
    - Groundwater Section
    - Drinking Water Section
- ALMS 2.0 Deployment
- Strategic Plan



## ADEQWAY

### ■ ADEQ Mission

- To protect and enhance human health and the environment in Arizona

### ■ ADEQ True North

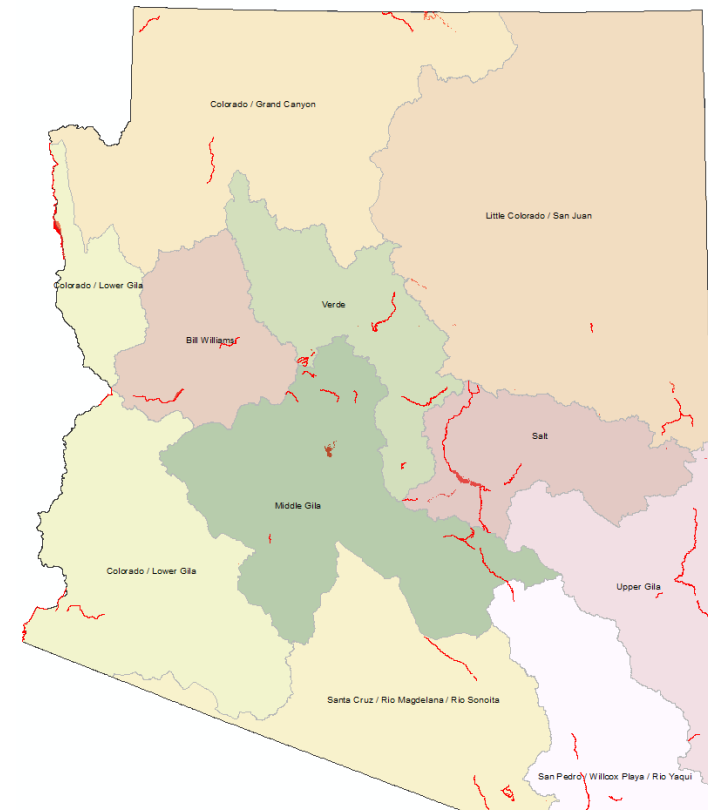
- To be the #1 state in the nation in balanced, leading-edge environmental protection, technical and operational excellence, and radical simplicity for customers and staff

- Evaluate everything we do for its impact on the mission.
- Hire only those who believe in our way and have a passion for their work.
- Train those who cannot, replace those who will not, and promote those who excel.
- Never hide a problem – respect others enough to be honest, even if the truth is uncomfortable.
- Do not blame, but hold each other accountable.
- Involve end users early and often when creating or improving services.
- Never stop asking why.
- Continuously design and redesign for quality and radical simplicity.
- Freely discuss, promptly decide, and totally commit.
- Do not fear failure.

## ■ Number of Target List Impaired Waters Improved (15)

## ■ Number of Impaired Surface Waters (145)

	A	B	C	D	E	F	G	H
1	WS	MEASURE	CAT	SURFACE WATER	REACH DESCRIPTION	REACH/LAKE NUM	Impairments	Why
9	Little Colorado	MTL	Category 4	Rainbow Lake		15020005-1170	Nutrients (1992)	Stakeholder Interest
10	Little Colorado	MTL	Category 4	Rainbow Lake		15020005-1170	Low DO (1992)	Stakeholder Interest
11	Bill Williams	MTL	Category 4	Boulder Creek	Wilder Creek - Butte Creek	15030202-005A	Managanese	BMP Implemented
12	Bill Williams	MTL	Category 4	Boulder Creek	Wilder Creek - Butte Creek	15030202-005A	Beryllium	BMP Implemented
13	Bill Williams	MTL	Category 4	Boulder Creek	Wilder Creek - Butte Creek	15030202-005A	Zinc	BMP Implemented
14	Bill Williams	MTL	Category 4	Boulder Creek	Wilder Creek - Butte Creek	15030202-005A	Copper	BMP Implemented
15	Bill Williams	MTL	Category 4	Boulder Creek	Wilder Creek - Butte Creek	15030202-005A	Arsenic	BMP Implemented
16	Bill Williams	MTL	Category 4	Boulder Creek	Wilder Creek - Butte Creek	15030202-005A	low pH	BMP Implemented
17	Bill Williams	MTL	Category 4	Boulder Creek	Butte Creek - Copper Creek	15030202-005B	Arsenic (1998)	BMP Implemented
18	Upper Gila	MTL	Category 4	Gila River	Skully Creek - San Francisco	15040002-001	E. coli (2010)	Stakeholder Interest
19	Upper Gila	MTL	Category 4	Gila River	Apache Creek - Skully Creek	15040002-002	E. coli (2010)	Stakeholder Interest
20	Upper Gila	MTL	Category 4	Gila River	New Mexico border - Bitter Creek	15040002-004	E. coli (2006/8)	Stakeholder Interest
21	Upper Gila	MTL	Category 5	San Francisco River	Limestone Gulch - Gila River	15040004-001	E. coli (2010)	Targeted Watershed
22	Upper Gila	MTL	Category 5	San Francisco River	Blue River - Limestone Gulch	15040004-003	E. coli (2006/8)	Targeted Watershed
23	Upper Gila	MTL	Category 5	Blue River (BLR)	Strayhorse Creek - San Francisco River	15040004-025B	E. coli (2006/8)	Targeted Watershed
24	Upper Gila	MTL	Category 4	Gila River	Bonita Creek - Yuma Wash	15040005-022	Lead (2010)	Stakeholder Interest
25	Upper Gila	MTL	Category 4	Gila River	Bonita Creek - Yuma Wash	15040005-022	SSC (EPA 2004)	Stakeholder Interest
26	Upper Gila	MTL	Category 4	Gila River	Bonita Creek - Yuma Wash	15040005-022	E. coli (2004)	Stakeholder Interest
27	San Pedro	MTL	Category 5	San Pedro River	Babocomari River - Dragoon Wash	15050202-003	E. coli (2004)	Targeted Watershed
28	Santa Cruz	MTL	Category 4	Santa Cruz River	Canada Del Oro - HUC 15050303	15050301-001	Ammonia (2010)/Add E. coli to the 303(d) list.	Stakeholder Interest
29	Santa Cruz	MTL	Delist	Santa Cruz River	Roger Road WWTP - Intermittant Reach	15050301-003B	Ammonia	Delist
30	Santa Cruz	MTL	Category 5	Santa Cruz River	Josephine Canyon - Tubac Bridge	15050301-008A	Ammonia (2010)	Targeted Watershed



- On Track
  - Santa Cruz CWP
  - Protection Grant Development
  - Multi-agency NPS meeting
  - Project planning events for potential grantees
  - Cycle 19
  - BMP evaluations
  - Statewide education and outreach
  - Monthly calls with EPA
  - Load reductions in GRTS
  - WQ-10 and/or SP-12
    - Tonto? Turkey Creek Cu? Finalize Mule Gulch?



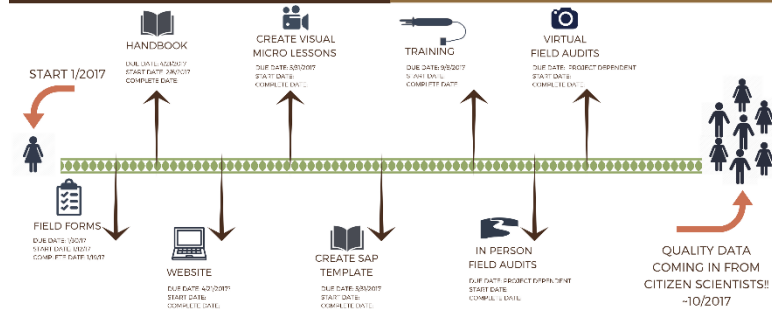
# Watershed Protection Unit Successes

## CITIZEN SCIENCE PROGRAM BOARD

PROVIDE RESOURCES AND GUIDANCE TO VOLUNTEERS IN ARIZONA. ALIGN ADEQ MONITORING GOALS WITH LOCAL GROUPS' NEEDS AND COLLECT DEFENSIBLE HIGH QUALITY DATA!

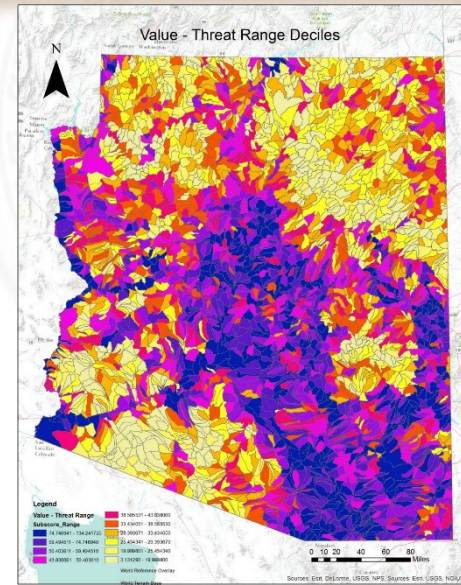
" NEVER DOUBT THAT A SMALL GROUP OF THOUGHTFUL CITIZENS CAN CHANGE THE WORLD. INDEED, IT'S THE ONLY THING THAT EVER HAS. "

-MARGARET MEAD



WaterScape

**Hired:**  
**Citizen Science Coordinator,**  
**Hydro 3,**  
**Tech 2**



Citizen Science Program Initiated

**15 HUC12**  
**Waterbodies listed**  
**for EPA Success Stories**



Increase in BMP Evaluations

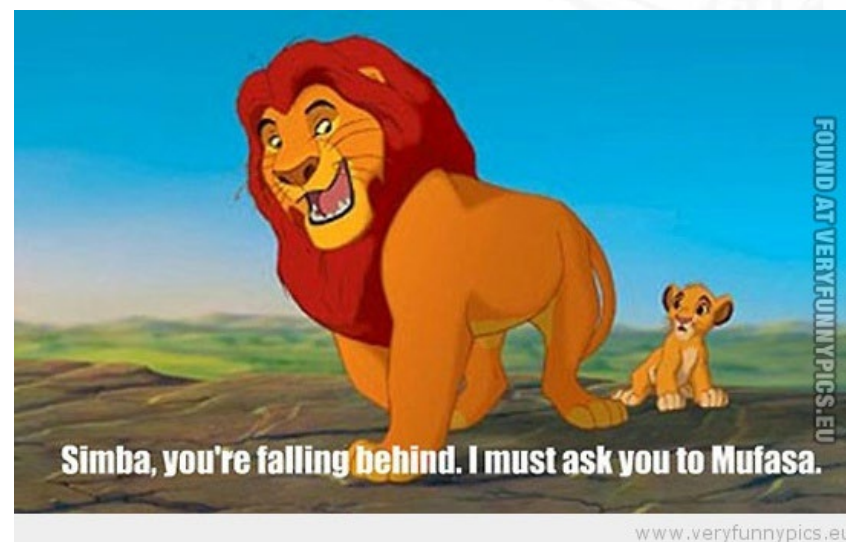


Hillside construction

**Watershed Preservation Grants**



- Behind Schedule
  - Queen Creek TMDL
  - Pinto Creek TMDL
  - San Pedro CWP
  - Davidson Canyon baseline monitoring
  - NWQI collaboration



- Complete Queen Creek and Pinto Creek TMDLs
- Complete Santa Cruz CWP
- Back on track for San Pedro CWP
- Additional Davidson sampling
- Preservation Grant Cycle
- Complete Cycle 19





# Ideas for Next NPS 5 Year Plan

- Expand Citizen Science program
- Regular Watershed Preservation Grant Cycles
- Expand use of REM technology
- Develop grant applications that meet all 9 key elements
  - Utilize other plans including USFS WRAPs
- Conduct BMP Evaluations by type of BMP
- Develop BMP Guidance document
- Participate in Arizona Conservation Partnership (formerly CRM)
- Collaborate more on NWQI and other programs



# IDEAS AND SUGGESTIONS